



## 2/2-way Globe Control Valve, threaded port connection, DN 10-65

- Classic design with interchangeable trims, 3 to 5 Kvs-value per connection port
- Excellent control characteristic
- Ultra compact design
- Standard International face-to-face dimensions
- High operative safety

Type 2712 can be combined with...



**Type 8692/8693**  
Positioner / Process Controller TopControl



**Type 8694**  
Positioner TopControl Basic



**Type 8630**  
Positioner TopControl



**Type 8635**  
Positioner SideControl



**Type 8792/93**  
SideControl Remote versions



**Type 8030**  
Flow sensor

The 2712 system has been specifically engineered for reliable control in applications where control accuracy is paramount. The 2712 is made from an all stainless steel valve body combined with Burkert's classic pneumatic actuator. Each globe valve body can be fitted with three to five sizes of trim sets. These parabolic trims provide a reliable and repeatable characteristic to vary the flow. The control cones are available in either stainless steel or with a durable PTFE seal for tight shut-off. When actuated by the 8635 SideControl, SideControls 8792/93 Remote versions or the 8694/8692/8693/ 8630 TopControl it forms a unique control valve system which can be operated as either a simple accurate positioner or an autotune PID process controller for flow, temperature or pressure.

### Proven Applications

- Fine chemical pressure and flow control
- High accuracy test bench equipment
- Food, beverage and pharmaceutical CIP/ SIP and auxiliary processes with steam
- Pharmaceutical Sterilizers
- Precision distillation apparatus
- Sterile Packaging Machinery

Technical data	
<b>Materials</b>	
Body	Cast stainless steel 316L (conform to 1.4409)
Actuator	PA polyamide (PPS on request)
<b>Sealing</b>	St.st./St.st. (stainless steel/stainless steel) PTFE/St.st. (PTFE/stainless steel)
<b>Seat leakage IEC 534-4/EN 1349</b>	Shut-off class IV for St.st./St.st. Shut-off class VI for PTFE/St.st.
<b>Process media gases and liquids</b> (vacuum version on request)	For neutral gases, water, alcohols, oils, fuels, hydraulic liquids, salt solutions, lyes, organic solvents, steam (10 bar/+180°C)
<b>Viscosity</b>	Max. 600 mm <sup>2</sup> /s
<b>Packing gland</b>	PTFE V-rings (silicone grease) with spring compensation
<b>Nominal pressure</b>	PN 25 (body)
<b>Temperatures</b>	
Fluid	-10°C to +180°C <sup>1)</sup> (max. +130°C for PTFE/St.st. sealing recommended)
Ambient	-10°C to +60°C <sup>1)</sup> Actuators 80 to 125 -10°C to +50°C Actuators 175 and 225
<b>Control media</b>	Compressed air
<b>Pilot pressure</b>	5.5 to 7 bar Actuators 80 to 125 5 to 6 bar Actuators 175 and 225
<b>Pilot air ports</b>	G 1/4 stainless steel (St.st.)
<b>Flow direction</b>	Below seat
<b>Interchangeable seat</b>	Different Kvs-values per port size, see table p. 2
<b>Control ratio (Kvs/KvO)</b>	50:1 25:1 for orifice DN6 10:1 for orifice DN4

<sup>1)</sup> high temperature on request

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### Content

Valve specifications		System Continuous Classic		Request for quotation
<b>Type 2712 thread</b>		<b>Type 8802-GB</b>		<b>Type 8802-GB</b>
Technical data & ordering info.	p. 1-12	Ordering info. & technical data	p. 13-17	p. 18



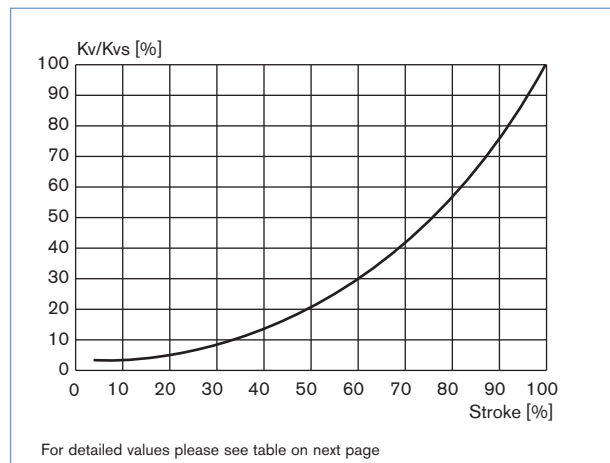
## Technical data, continued

Technical data	
<b>Port connections</b>	
<b>Threaded port</b>	<ul style="list-style-type: none"> <li>G</li> <li>NPT</li> <li>Rc</li> </ul> <ul style="list-style-type: none"> <li>• DIN ISO 228 T1</li> <li>• ASA B2.1</li> <li>• ISO 7</li> </ul>
<b>Mounting position</b>	Any, preferably upright

## Kvs values

Port size (tube) ISO, DIN [mm]	Actuator size [mm]	Orifice DN (seat) [mm]										
		04	06	08	10	15	20	25	32	40	50	65
10	80	0.5	1.2	2.0	2.7	–	–	–	–	–	–	–
15	80	0.5	1.2	2.1	3.1	4.3	–	–	–	–	–	–
20	80	–	–	–	3.2	5.2	7.1	–	–	–	–	–
25	80	–	–	–	–	5.3	7.2	12.0	–	–	–	–
32	100	–	–	–	–	–	8.0	13.0	17.8	–	–	–
40	100	–	–	–	–	–	–	13.6	20.2	23.8	–	–
50	125	–	–	–	–	–	–	–	21.0	24.6	37.0	–
65	125	–	–	–	–	–	–	–	–	17.5	26.0	52.0
	175	–	–	–	–	–	–	–	–	25.5	39.5	62.0

## Flow curve and description



## Remarks on the flow characteristic

- Equipercntile parabolic plug for the orifices DN8...DN65
- Linear plug for the orifices DN4 and DN6
- Flow characteristic runs within DIN/IEC 534-2-4
- Theoretical control ratio (Kvs/Kvo):
  - 50:1 for the orifices DN8...DN65
  - 25:1 for the orifice DN6
  - 10:1 for the orifice DN4
- KVR value at 5% of stroke for DN > 10 mm  
 KVR value at 10% of stroke for DN ≤ 10 mm  
 (KVR value = smallest Kv value at which the gradient tolerance to DIN/IEC 534-2-4 is still complied with)

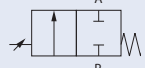
## Technical data, continued

Kvs values [m<sup>3</sup>/h]

Port size (tube)		Orifice (seat)		Actuator size [mm]	Stroke [%]										
[mm]	[inch]	[mm]	[inch]		5	10	20	30	40	50	60	70	80	90	100
10	3/8"	4	1/8"	80	0.04	0.05	0.10	0.16	0.22	0.27	0.32	0.36	0.40	0.44	0.50
		6	3/16"	80	0.05	0.12	0.32	0.48	0.62	0.76	0.88	0.98	1.07	1.13	1.20
		8	1/4"	80	0.06	0.07	0.09	0.12	0.18	0.26	0.42	0.61	0.92	1.50	2.00
		10	3/8"	80	0.09	0.11	0.13	0.19	0.30	0.48	0.73	1.00	1.60	2.3	2.7
15	1/2"	4	1/8"	80	0.04	0.05	0.10	0.16	0.22	0.27	0.32	0.36	0.40	0.44	0.50
		6	3/16"	80	0.05	0.12	0.32	0.48	0.62	0.76	0.88	0.98	1.07	1.13	1.20
		8	1/4"	80	0.07	0.08	0.11	0.13	0.19	0.27	0.43	0.63	0.95	1.60	2.1
		10	3/8"	80	0.09	0.11	0.15	0.19	0.31	0.49	0.75	1.10	1.70	2.5	3.1
		15	1/2"	80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.7	3.7	4.3
20	3/4"	10	3/8"	80	0.11	0.12	0.16	0.20	0.33	0.52	0.77	1.20	1.8	2.6	3.2
		15	1/2"	80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.9	4.0	5.2
		20	3/4"	80	0.20	0.25	0.30	0.45	0.70	1.10	1.60	2.4	3.5	5.2	7.1
25	1"	15	1/2"	80	0.14	0.17	0.22	0.35	0.52	0.80	1.20	1.80	2.9	4.1	5.3
		20	3/4"	80	0.20	0.25	0.31	0.47	0.70	1.10	1.60	2.5	3.8	5.4	7.2
		25	1"	80	0.35	0.38	0.65	1.00	1.50	2.2	3.4	5.1	7.0	9.4	12.0
32	1 1/4"	20	3/4"	100	0.22	0.25	0.35	0.50	0.75	1.10	1.60	2.5	3.8	5.8	8.0
		25	1"	100	0.40	0.47	0.73	1.10	1.60	2.5	3.7	5.4	7.5	10.3	13.0
		32	1 1/4"	100	0.48	0.60	0.85	1.30	2.1	3.1	4.5	6.8	10.2	14.0	17.8
40	1 1/2"	25	1"	100	0.40	0.50	0.75	1.10	1.70	2.6	3.8	5.6	8.0	10.7	13.6
		32	1 1/4"	100	0.48	0.60	0.85	1.30	2.1	3.2	4.6	6.9	11.0	15.0	20.2
		40	1 1/2"	100	0.60	0.70	1.10	1.70	2.7	4.0	6.0	9.2	13.8	18.2	23.8
50	2"	32	1 1/4"	125	0.48	0.60	0.90	1.30	2.1	3.2	4.6	6.9	11.6	16.0	21.0
		40	1 1/2"	125	0.60	0.70	1.00	1.70	2.6	4.0	5.9	9.2	14.0	18.9	24.6
		50	2"	125	0.90	1.10	1.90	2.9	4.5	6.8	10.5	15.5	22.0	29.3	37.0
65	2 1/2"	40	1 1/2"	125	0.45	0.65	0.95	1.30	1.90	2.8	4.00	5.50	7.8	11.7	17.5
		50	2"	125	0.70	1.00	1.60	2.4	3.5	4.9	6.90	9.80	14.1	19.9	26.0
		65	2 1/2"	125	0.80	1.30	2.1	3.2	5.5	9.1	14.7	24.5	37.6	45.6	52.0
		40	1 1/2"	175	0.45	0.55	0.85	1.30	2.0	3.1	4.60	6.80	10.7	17.2	25.5
		50	2"	175	0.75	0.90	1.50	2.3	3.5	4.9	7.1	11.0	17.5	26.0	39.5
		65	2 1/2"	175	1.10	1.40	2.1	3.2	4.9	8.0	12.0	18.5	31.5	46.5	62.0

## Ordering chart for Globe Valve (without positioner)

Threaded Port G: DIN ISO 228 T1, flow below seat

Control function	Port size (tube)		Orifice DN (seat)		Actuator size Ø [mm]	Operating pressure ≤ +180°C [bar]	Item no. seal system St.st./St.st.*	Item no. seal system PTFE/St.st.*					
	[mm]	[inch]	[mm]	[inch]									
<b>A</b>  2/2-way, NC by spring return	10	3/8"	4	1/8"	80	16.0	146 647	–					
			6	3/16"	80	16.0	156 254	–					
			8	1/4"	80	16.0	146 670	146 956					
			10	3/8"	80	16.0	146 692	146 980					
	15	1/2"	4	1/8"	80	16.0	146 113	–					
			6	3/16"	80	16.0	151 376	–					
			8	1/4"	80	16.0	145 856	146 968					
			10	3/8"	80	16.0	146 704	146 992					
	20	3/4"	15	1/2"	80	16.0	146 732	147 020					
			10	3/8"	80	16.0	146 718	147 006					
			15	1/2"	80	16.0	146 746	147 034					
			20	3/4"	80	16.0	146 774	147 062					
	25	1"	15	1/2"	80	16.0	146 760	147 048					
			20	3/4"	80	16.0	146 788	147 076					
			25	1"	80	16.0	146 814	147 102					
	32	1 1/4"	20	3/4"	100	16.0	146 802	147 090					
			25	1"	100	16.0	146 826	147 116					
			32	1 1/4"	100	16.0	146 852	147 142					
	40	1 1/2"	25	1"	100	16.0	146 838	147 128					
			32	1 1/4"	100	16.0	146 864	146 185					
			40	1 1/2"	100	16.0	146 892	147 181					
	50	2"	32	1 1/4"	125	16.0	146 878	147 167					
			40	1 1/2"	125	16.0	146 906	147 198					
			50	2"	125	16.0	146 919	147 212					
65	2 1/2"	40	1 1/2"	125	15.0	155 746	155 967						
		50	2"	125	15.0	155 784	156 004						
		65	2 1/2"	125	10.0	155 841	156 066						
		40	1 1/2"	175	15.0	155 766	155 987						
		50	2"	175	15.0	155 804	156 024						
								65	2 1/2"	175	15.0	155 863	156 087

\*seal system: • St.st./St.st.: plug stainless steel/seat stainless steel

• PTFE/St.st.: (soft sealing) plug PTFE/seat stainless steel

### i Further versions on request



#### Material

Actuator: PPS for actuator sizes 80-125 mm



#### Control function

B (NO) normally open by spring return

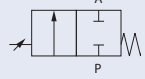


#### Mediums temperature

Valves for mediums temperature up to +200°C or down to -40°C

## Ordering chart for Globe Valve (without positioner)

Threaded Port NPT: ASA B2.1, flow below seat

Control function	Port size (tube)		Orifice DN (seat)		Actuator size Ø [mm]	Operating pressure S +180°C [bar]	Item no. seal system St.st./St.st.*	Item no. seal system PTFE/St.st.*	
	[mm]	[inch]	[mm]	[inch]					
<b>A</b>  2/2-way, NC by spring return	10	3/8"	4	1/8"	80	16.0	■	-	
			6	3/16"	80	16.0	■	-	
			8	1/4"	80	16.0	146 671	146 957	
			10	3/8"	80	16.0	146 693	146 981	
	15	1/2"	4	1/8"	80	16.0	146 659	-	
			6	3/16"	80	16.0	■	-	
			8	1/4"	80	16.0	146 682	146 969	
			10	3/8"	80	16.0	146 705	146 993	
	20	3/4"	15	1/2"	80	16.0	146 733	147 021	
			10	3/8"	80	16.0	146 719	147 007	
			15	1/2"	80	16.0	146 747	147 035	
	25	1"	20	3/4"	80	16.0	146 775	147 063	
			15	1/2"	80	16.0	146 761	147 049	
			20	3/4"	80	16.0	146 789	147 077	
	32	1 1/4"	25	1"	80	16.0	146 815	147 103	
			20	3/4"	100	16.0	146 803	147 091	
			25	1"	100	16.0	146 827	147 117	
	40	1 1/2"	32	1 1/4"	100	16.0	146 853	147 143	
			32	1 1/4"	100	16.0	146 839	147 129	
			40	1 1/2"	100	16.0	146 865	147 154	
	50	2"	40	1 1/2"	100	16.0	146 893	147 182	
			32	1 1/4"	125	16.0	146 879	147 168	
			40	1 1/2"	125	16.0	146 907	147 199	
	65	2 1/2"	50	2"	125	16.0	146 920	147 213	
			40	1 1/2"	125	16.0	155 747	155 968	
			50	2"	125	16.0	155 785	156 005	
			65	2 1/2"	125	10.0	155 842	156 067	
			40	1 1/2"	175	16.0	155 767	155 988	
				50	2"	175	16.0	155 805	156 025
				65	2 1/2"	175	16.0	155 864	156 088

\*seal system: • St.st./St.st.: plug stainless steel/seat stainless steel  
 • PTFE/St.st.: (soft sealing) plug PTFE/seat stainless steel

■ on request

### i Further versions on request



#### Material

Actuator: PPS for actuator sizes 80-125 mm



#### Control function

B (NO) normally open by spring return

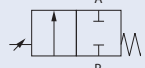


#### Mediums temperature

Valves for mediums temperature up to +200°C or down to -40°C

## Ordering chart for Globe Valve (without positioner)

Threaded Port Rc: ISO 7, flow below seat

Control function	Port size (tube)		Orifice DN (seat)		Actuator size Ø [mm]	Operating pressure S +180°C [bar]	Item no. seal system St.st./St.st.*	Item no. seal system PTFE/St.st.*
	[mm]	[inch]	[mm]	[inch]				
<b>A</b>  2/2-way, NC by spring return	10	3/8"	4	1/8"	80	16.0	■	-
			6	3/16"	80	16.0	■	-
			8	1/4"	80	16.0	148 413	148 494
			10	3/8"	80	16.0	148 419	148 500
	15	1/2"	4	1/8"	80	16.0	■	-
			6	3/16"	80	16.0	■	-
			8	1/4"	80	16.0	148 416	148 497
			10	3/8"	80	16.0	148 422	148 503
			15	1/2"	80	16.0	148 431	148 511
	20	3/4"	10	3/8"	80	16.0	148 427	148 507
			15	1/2"	80	16.0	148 435	148 515
			20	3/4"	80	16.0	148 444	148 523
	25	1"	15	1/2"	80	16.0	148 439	148 519
			20	3/4"	80	16.0	148 448	148 527
			25	1"	80	16.0	148 456	148 535
	32	1 1/4"	20	3/4"	100	16.0	148 451	148 531
			25	1"	100	16.0	148 460	148 539
			32	1 1/4"	100	16.0	148 469	148 547
	40	1 1/2"	25	1"	100	16.0	148 464	148 543
			32	1 1/4"	100	16.0	148 473	148 551
			40	1 1/2"	100	16.0	148 482	148 559
	50	2"	32	1 1/4"	125	16.0	148 478	148 555
			40	1 1/2"	125	16.0	148 486	148 563
			50	2"	125	16.0	148 490	148 567
	65	2 1/2"	40	1 1/2"	125	16.0	155 748	155 969
			50	2"	125	16.0	155 786	156 006
			65	2 1/2"	125	10.0	155 843	156 068
			40	1 1/2"	175	16.0	155 768	155 989
50			2"	175	16.0	155 807	156 026	
65			2 1/2"	175	16.0	155 865	156 089	

\*seal system: • St.st./St.st.: plug stainless steel/seat stainless steel  
 • PTFE/St.st.: (soft sealing) plug PTFE/seat stainless steel

■ on request

### i Further versions on request



#### Material

Actuator: PPS for actuator sizes 80-125 mm



#### Control function

B (NO) normally open by spring return

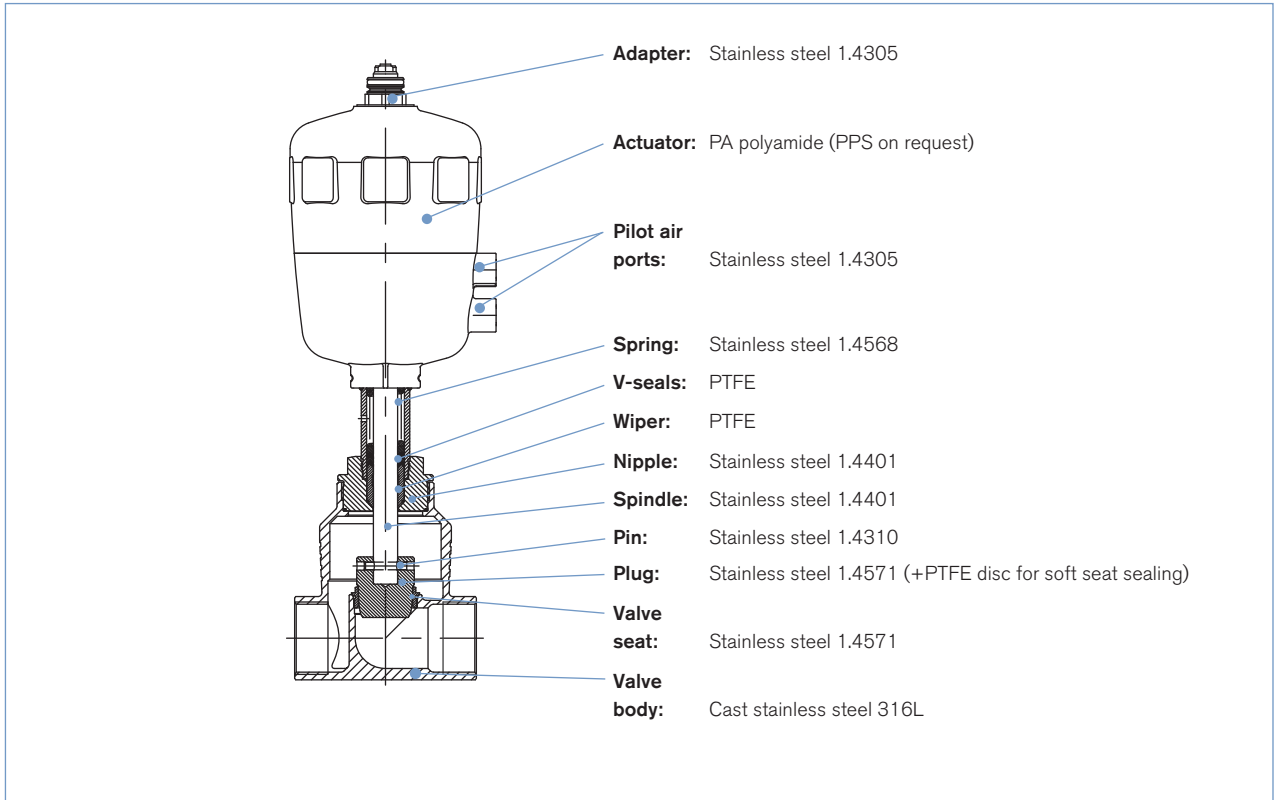


#### Mediums temperature

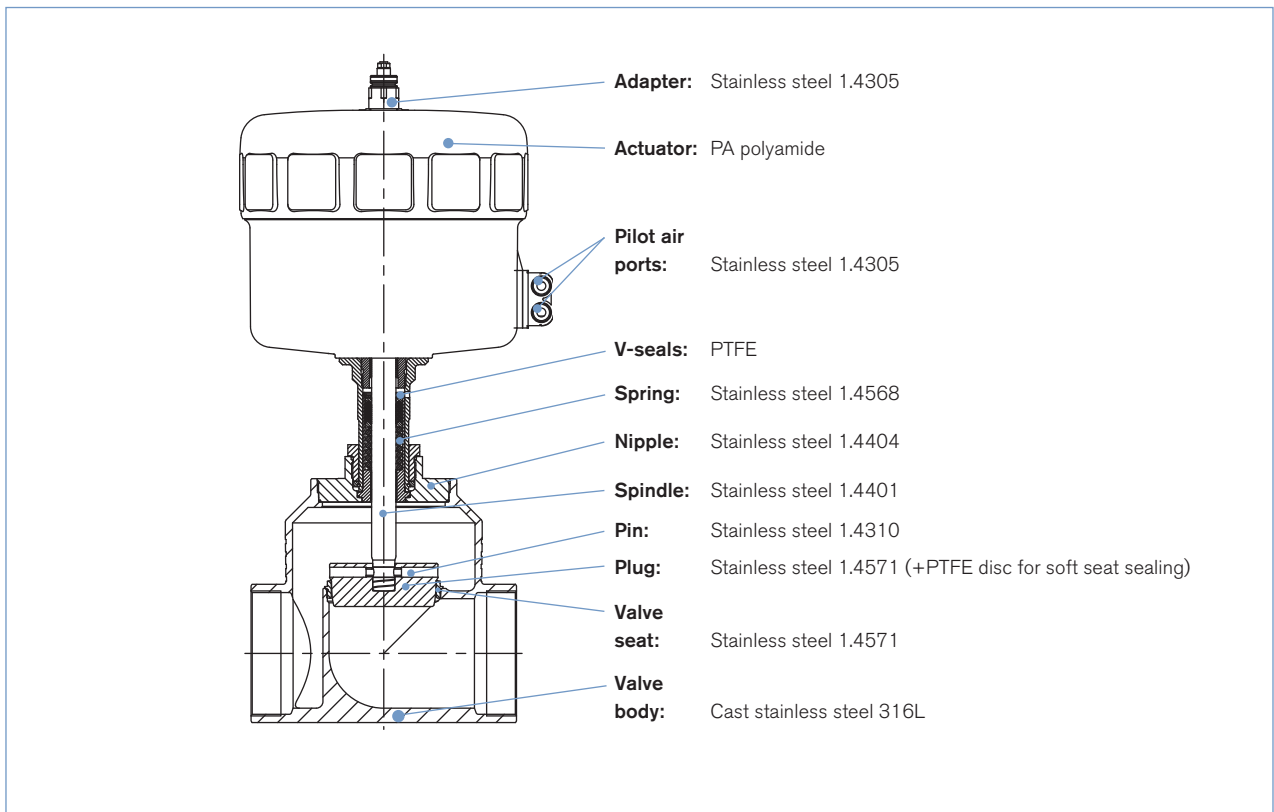
Valves for mediums temperature up to +200°C or down to -40°C

Materials

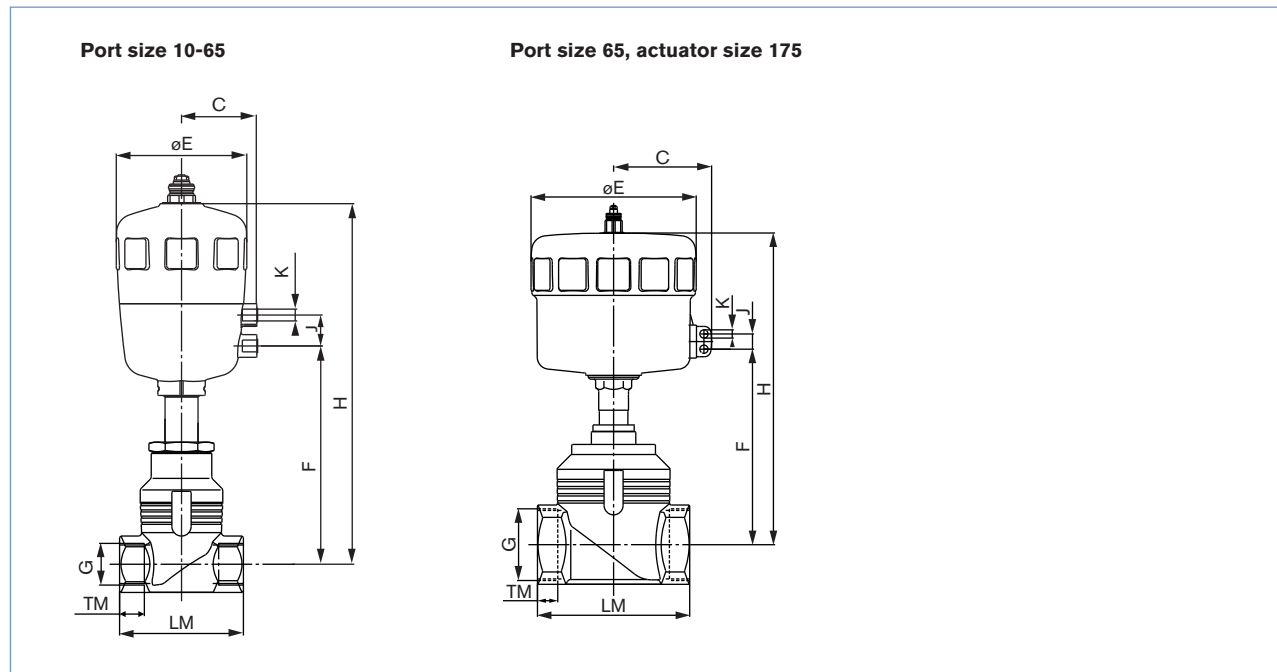
DN 10-65 (actuator sizes 80 to 125 mm)



DN 65 (actuator size 175)



Dimensions [mm]

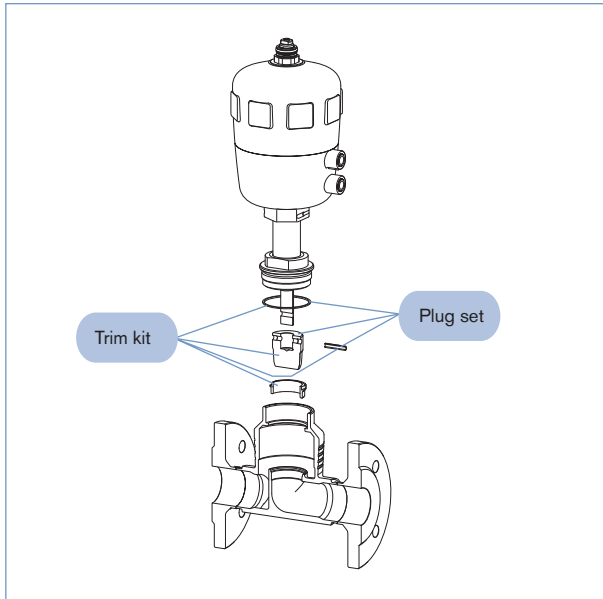


All actuators														
Port size	Actuator size	C	E	F	H	K	J	LM	G G [inch]	TM	NPT G [inch]	TM	Rc G [inch]	TM
10	80	60	101	166	264	G 1/4	24	65	G 3/8	12	NPT 3/8	10.3	Rc 3/8	10.1
15	80	60	101	166	264	G 1/4	24	65	G 1/2	14	NPT 1/2	13.7	Rc 1/2	13.2
20	80	60	101	160	259	G 1/4	24	75	G 3/4	16	NPT 3/4	14.0	Rc 3/4	14.5
25	80	60	101	164	262	G 1/4	24	90	G 1	18	NPT 1	16.8	Rc 1	16.8
32	100	73	127	208	346	G 1/4	30	110	G 1 1/4	20	NPT 1 1/4	17.3	Rc 1 1/4	19.1
40	100	73	127	214	351	G 1/4	30	120	G 1 1/2	22	NPT 1 1/2	17.3	Rc 1 1/2	19.1
50	125	86	157	225	388	G 1/4	30	150	G 2	24	NPT 2	17.6	Rc 2	23.4
65	125	86	157	254	417	G 1/4	30	185	G 2 1/2	26	NPT 2 1/2	23.7	Rc 2 1/2	26.7
	175	130	211	289	479	G 1/4	24	185	G 2 1/2	26	NPT 2 1/2	23.7	Rc 2 1/2	26.7

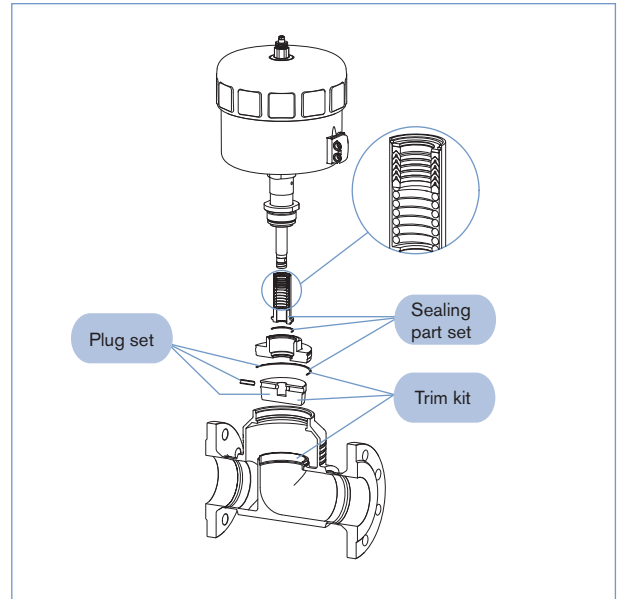


**Spare parts for Type 2712 – DN 10-65 (on request)**





Port size 10-65 in combination with actuator size 80 to 125 mm



Port size 65 in combination with actuator size 175 mm



**Further process connections**

<p><b>Flanged</b></p>  <ul style="list-style-type: none"> <li>•DIN 2634</li> <li>•ASME B16,5</li> <li>•JIS B2238</li> </ul>	<p><b>Weld ends</b></p>  <ul style="list-style-type: none"> <li>•ISO 4200</li> <li>•DIN 11850 S2</li> <li>•BS 4825</li> <li>•ASME BPE</li> <li>•SMS 3008</li> </ul>	<p><b>Clamp</b></p>  <ul style="list-style-type: none"> <li>•ISO 2852</li> <li>•SMS 3017</li> <li>•DIN 32676</li> <li>•BS 4825</li> </ul>	<p><b>Customized*</b></p>  <p>*e.g. one side with flange, other side clamp</p>
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**Ordering information for valve system Continuous Classic Type 8802-GB**

A **valve system Continuous Classic Type 8802-GB** consists of an **globe control valve Type 2712** and a digital electropneumatic Positioner **Type 8692**, a digital electropneumatic Process Controller **Type 8693**, a digital electropneumatic Positioner Basic **Type 8694** (below) or a valve actuation system TopControl **Type 8630**, SideControl **Type 8635** or an electropneumatic positioner **Type 8792/8793** (next page) (see separate datasheets). For the configuration of further valve systems please use the "Request for quotation" on p. 15 [go to page](#)

You order two components and receive a complete assembled and certified valve.

**Ordering the valve system Continuous Classic Type 8802-GB**

**Globe control valve  
Type 2712**



**Positioner**



Positioner  
Type 8692



Process Controller  
Type 8693



Positioner Basic  
Type 8694

**Globe control valve  
with desired control unit**



**Valve system  
Continuous  
Classic  
Type 8802-GB-I  
2712 + 8692**



**Valve system  
Continuous  
Classic  
Type 8802-GB-J  
2712 + 8693**



**Valve system  
Continuous  
Classic  
Type 8802-GB-L  
2712 + 8694**

When you click on the orange box "More info." below, you will come to our website for the resp. product where you can download the datasheet.

**Positioner TopControl  
Type 8692**

**More info.**

**Process Controller  
TopControl Type 8693**

**More info.**



DeviceNet™



The new generation of integrated positioners/process controllers for combination with actuators from the process valve series Type 23xx/2103 is specially designed for the requirements of hygienic process environments. The easy handling and the selection of additional software functions are done either on a big graphic display with backlight and keypad or via a PC interface. A contact-free analogue position sensor registers the valve position without deterioration. Single-acting or double-acting actuators are controlled via the integral positioner system. With Type 8693, the process controller function is superimposed on the position control loop. Profibus DPV1 and DeviceNet communication interfaces are available as options.

Main customer benefits:

- Compact design of the valve system with integrated positioner/process controller meets the demands for plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator
- Extremely simple commissioning and operation thanks to the back-lighting of the graphics display and proven multilingual software structure
- Automatic parameterisation of the positioner and process controller using the TUNE functions
- Field bus communication via Profibus DPV1 or DeviceNet
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaption
- Explosion-proof models for zone 2/22

**Positioner TopControl Basic Type 8694**

**More info.**



The new generation of integrated positioners for combination with actuators from the process valve series Type 23xx/2103 is specially designed for the requirements of hygienic process environments. The operation and selection of the software functions close tight function, inversion of the operating direction of the setpoint signal, characteristic curves selection and switching manual/automatic operation are effected via push-buttons and DIP switches or via the PC interface. The position setpoint is set using the standard signal 4 - 20 mA. In addition, the enable can be controlled via the binary input and an optional position feedback can be integrated. The positioner, Type 8694, registers the valve position without deterioration through a contact-free analogue position sensor. Single-acting or double-acting actuators are controlled via the integral positioner system. An AS-Interface communication interface is available as an option.

Main customer benefits:

- Compact design of the valve system with integrated positioner meets the demands for plant washdown environments through the selection of materials, external seals and integrated control air supply to the actuator
- Automatic parameterisation of the process controller using the Process TUNE function
- Field bus communication via optional AS-Interface
- Air intake filter enhances the process valve system availability
- Simple and reliable actuator adaption allowing additional actuators of the process valve series, Type 20xx or actuators from other manufacturers to be used
- Explosion-proof models for zone 2/22

**Ordering information for valve system Continuous Classic Type 8802-GB, continued**

A **valve system Continuous Classic Type 8802-GB** consists of an **globe control valve Type 2712** and a digital electropneumatic Positioner **Type 8692**, a digital electropneumatic Process Controller **Type 8693**, a digital electropneumatic Positioner Basic **Type 8694** (previous page) or a valve actuation system TopControl **Type 8630**, SideControl **Type 8635** or an electropneumatic positioner **Type 8792/8793** (below) (see separate datasheets). For the configuration of further valve systems please use the "Request for quotation" on p. 15 [go to page](#). You order two components and receive a complete assembled and certified valve.

**Ordering the valve system Continuous Classic Type 8802-GB**

**Globe control valve  
Type 2712**



**Positioner**



Positioner/  
Process Controller  
Type 8630



Positioner/  
Process Controller  
Type 8635



Positioner  
Type 8792/  
Process  
Controller  
Type 8793

**Globe control valve  
with desired control unit**



**Valve system  
Continuous Classic  
Type 8802-GB-A  
2712 + 8630**



**Valve system  
Continuous Classic  
Type 8802-GB-B  
2712 + 8635**



**Valve system  
Continuous Classic  
Type 8802-GB-P  
2712 + 8792 /  
Type 8802-GB-Q  
2712 + 8793**

When you click on the orange box "More info." below, you will come to our website for the resp. product where you can download the datasheet.

**TopControl Type 8630**

**More info.**



0/4-20 mA  
0-5/10 V

PROFIBUS  
DeviceNet™



The Type 8630 is an electro-pneumatic positioner for usage with pneumatically operated process valves. The compact design with integrated position encoder and LCD display was developed for demanding applications of the process industry.

Main customer benefits are:

- Time saving algorithms for temperature, flow and pressure PID parameters through ProcessTUNE function.
- Quick and simple menu driven parameterization through keyboard
- Field bus communication via Profibus DPV1 or DeviceNet
- Fits seamlessly to Bürkert's process valve systems
- Break resistant housing
- Suitable for hazardous locations per zone 2 and 22

**SideControl Type 8635, 2-wire,  
intrinsically safe**

**More info.**



4-20 mA

PROFIBUS



Type 8635 is a digital electro-pneumatic positioner with an optional, integrated process controller for precise control requirements. The compact design with integrated position encoder and LCD display was developed for demanding applications of the process industry.

Main customer benefits are:

- Time saving algorithms for temperature, flow and pressure PID parameters through ProcessTUNE function.
- Quick and simple menu driven parameterization through keyboard or Profibus PA
- Remote setpoint adjustment via a 4-20 mA signal
- Adaptation according to IEC534-6 for lift and swivel drives
- Rugged anodised aluminium housing
- Suitable for hazardous locations per zone 1, zone 21 or zone 2 and 22

**Positioner SideControl Type 8792**

**More info.**

**Process Controller SideControl Type 8793**

**More info.**



PROFIBUS



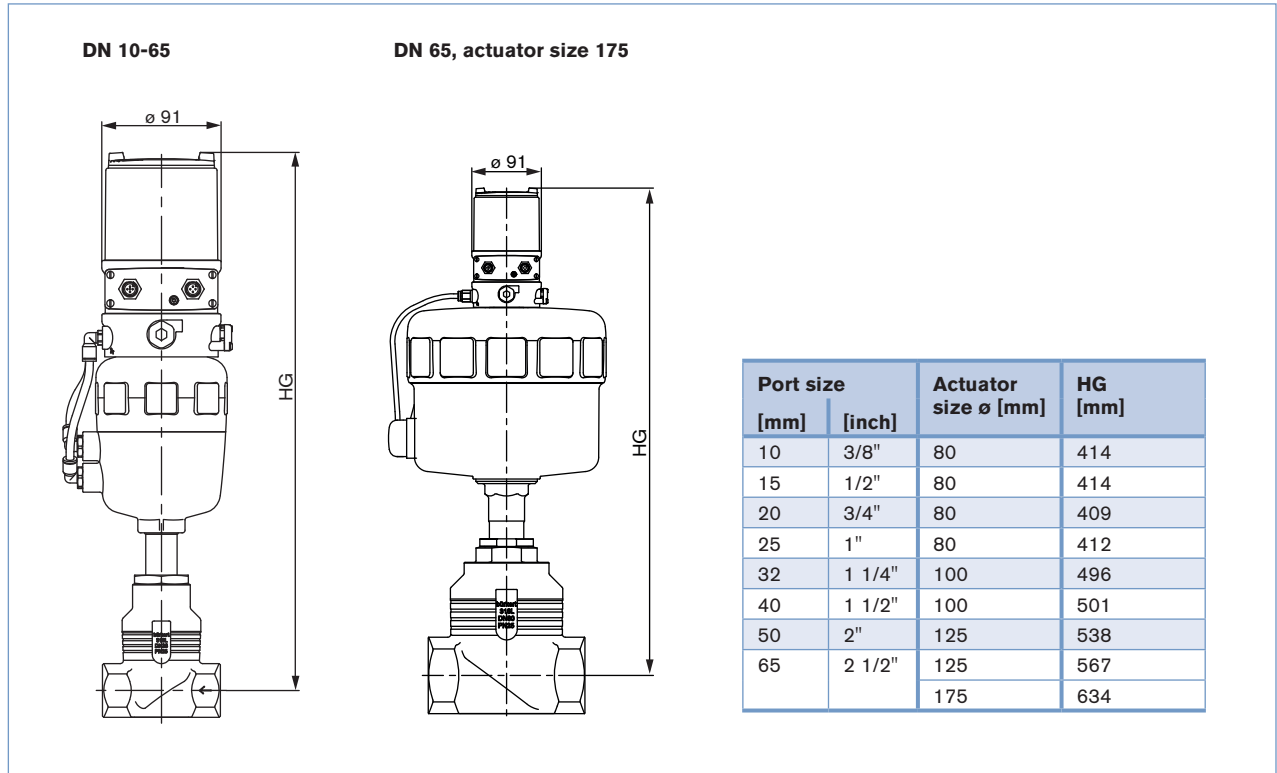
Type 8792/8793 is a digital electro-pneumatic positioner with an optional, integrated process controller (8793) for precise control requirements. The compact design with integrated position encoder and LCD display was developed for demanding applications of the process industry. A Profibus DPV1 communication interface is available as an option.

Main customer benefits are:

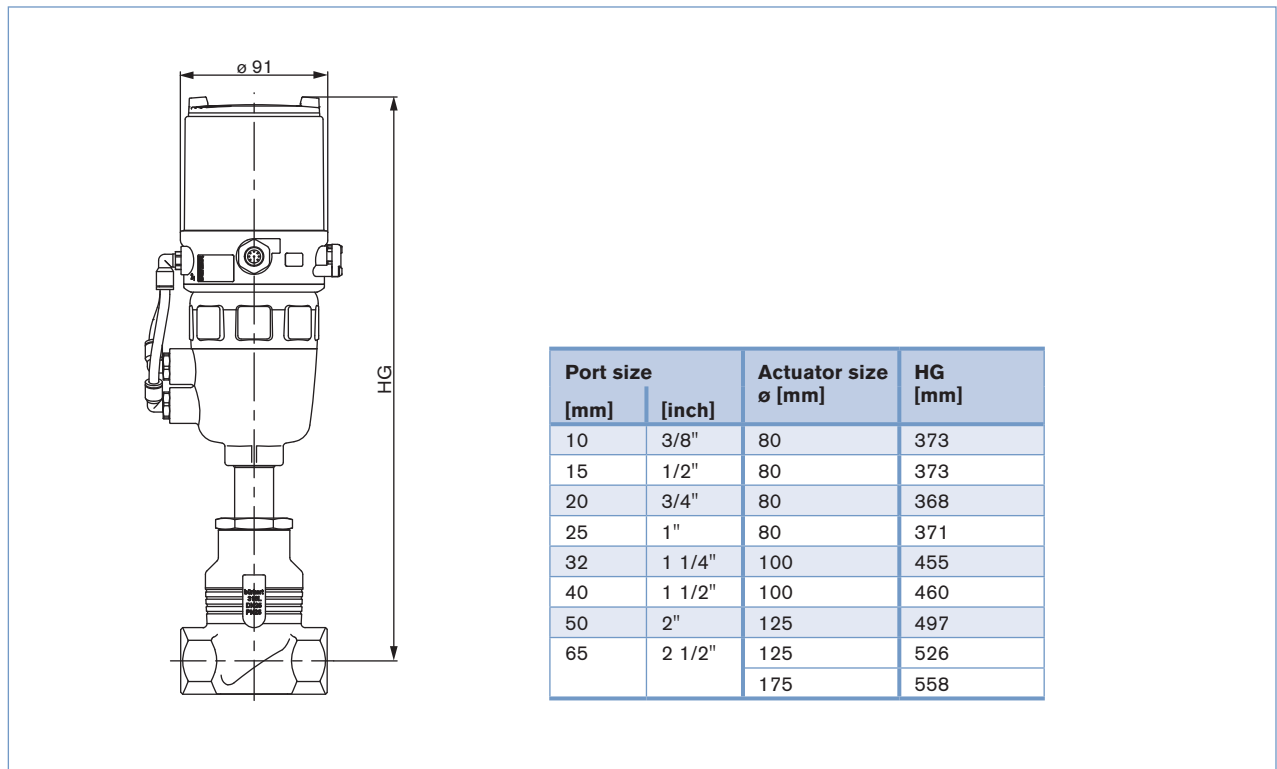
- Time saving algorithms for temperature, flow and pressure PID parameters through ProcessTUNE function.
- Quick and simple menu driven parameterization through keyboard or Profibus DPV1 PA
- Adaption acc. to IEC534-6 and VDI/VDE 3845 for lift and swivel drives or as a Remote version together with Bürkert process valves
- Rugged anodised aluminium housing
- Suitable for hazardous locations per zone 2/22

Dimensions for valve system Continuous Classic Type 8802-GB [mm]

Dimensions valve system Continuous Classic Type 8802-GB-I with positioner TopControl Type 8692 and 8802-GB-J with process controller TopControl Type 8693 [mm]

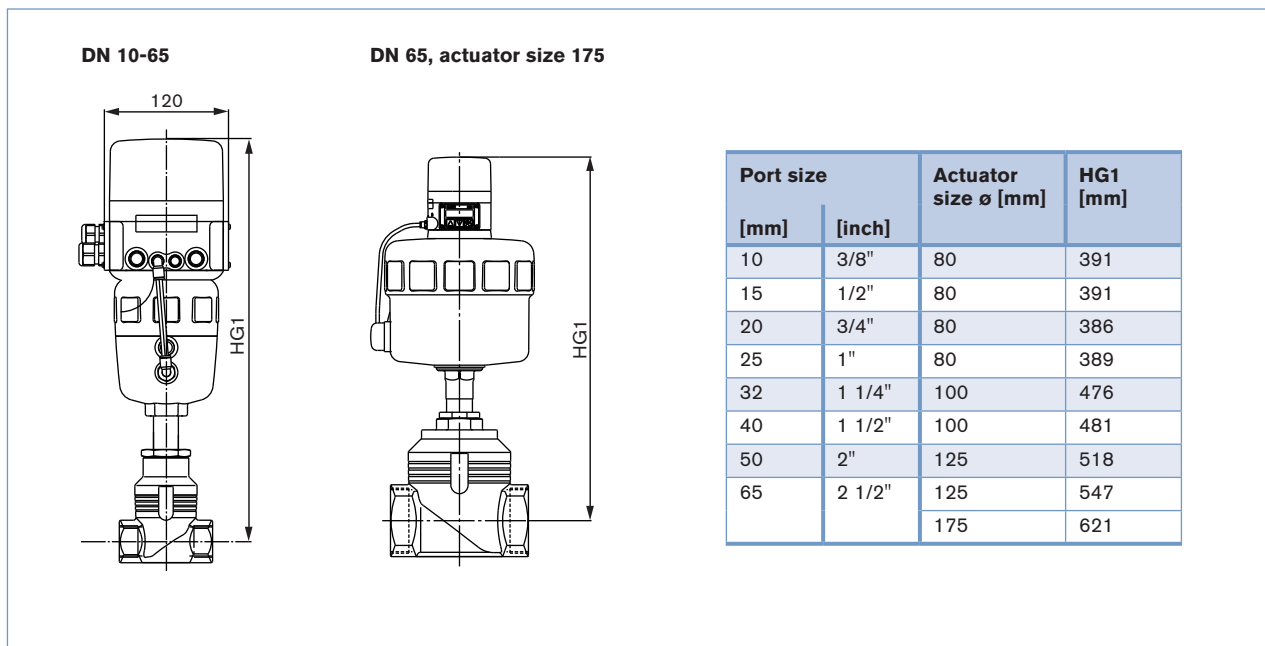


Dimensions valve system Continuous Classic Type 8802-GB-L with positioner TopControl Basic Type 8694 [mm]



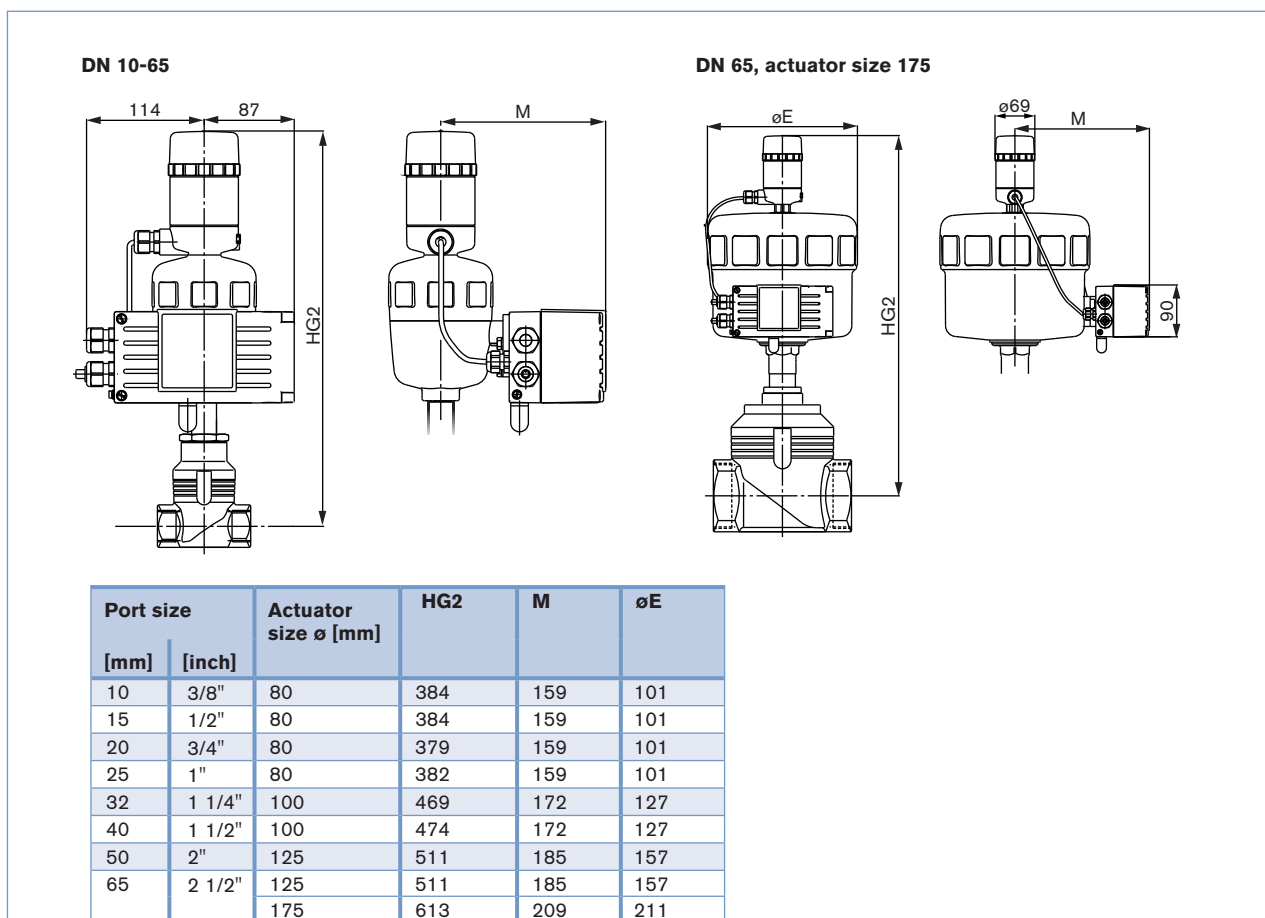
Dimensions for valve system Continuous Classic Type 8802-GB [mm], continued

Dimensions valve system Continuous Classic Type 8802-GB-A with positioner TopControl Type 8630 [mm]



Further dimensions see p. 11

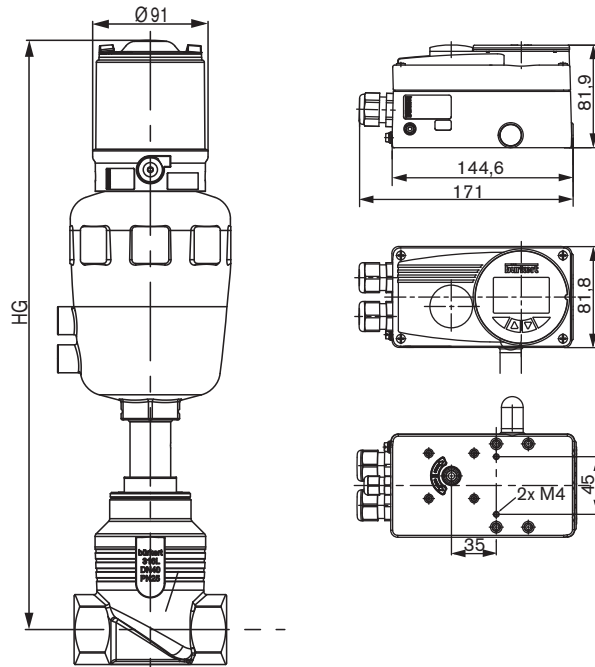
Dimensions valve system Continuous Classic 8802-GB-B with positioner SideControl Type 8635 [mm]



Further dimensions see p. 11

Dimensions for valve system Continuous Classic Type 8802-GB [mm], continued

Dimensions valve system Continuous Classic Type 8802-GB-P with Positioner SideControl Remote Type 8792 and Type 8802-GB-Q with Process Controller SideControl Remote Type 8793 [mm]



Port size		Actuator size $\varnothing$ [mm]	HG [mm]
[mm]	[inch]		
10	3/8"	80	376
15	1/2"	80	376
20	3/4"	80	371
25	1"	80	374
32	1 1/4"	100	458
40	1 1/2"	100	463
50	2"	125	500
65	2 1/2"	125	529
		175	591

**Note**

You can fill out the fields directly in the PDF file before printing out the form.

**Valve system Continuous Classic Type 8802-GB - Request for quotation**

▶ Please fill out and send to your nearest Bürkert facility\* with your inquiry or order

Company	Contact person
Customer no.	Department
Address	Tel./Fax
Postcode/town	E-Mail

= mandatory fields to fill out

Quantity

Required delivery date

**Operating data**

Pipeline	DN	<input type="text"/>	PN	<input type="text"/>
Pipe material	<input type="text"/>			
<input type="checkbox"/> Process medium	<input type="text"/>			
<input type="checkbox"/> Type of media	<input type="checkbox"/> Liquid	<input type="checkbox"/> Steam	<input type="checkbox"/> Gas	
	min	standard	max	unit
<input type="checkbox"/> Flow rate (Q, Q <sub>N</sub> , W) <sup>1)</sup>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Temperature at valve inlet	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Absolute pressure at valve inlet P1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Absolute pressure at valve outlet P2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

<sup>1)</sup> standard unit: Liquid Q = m<sup>3</sup>/h; Steam W = kg/h; Gas Q<sub>N</sub> = nm<sup>3</sup>/h

**Valve features**

Actuator material	<input type="checkbox"/> PA	<input type="checkbox"/> PPS				
Body material	<input type="checkbox"/> Cast stainless steel					
Seat sealing material	<input type="checkbox"/> St.st./St.st.	<input type="checkbox"/> PTFE/St.st.				
Nominal pressure	PN	<input type="text"/>				
Nominal size	DN	<input type="text"/>				
Type of connection	<input type="checkbox"/> Socket union	<input type="checkbox"/> Flanged	<input type="checkbox"/> Welded	<input type="checkbox"/> Internal thread	<input type="checkbox"/> External thread	<input type="checkbox"/> Clamp
Standard connection	<input type="checkbox"/> DIN	<input type="checkbox"/> ASA	<input type="checkbox"/> ISO	<input type="checkbox"/> Other	<input type="text"/>	
Function	<input type="checkbox"/> NC <sup>2)</sup>	<input type="checkbox"/> NO <sup>2)</sup>				
Pilot pressure	<input type="text"/>	min.	<input type="text"/>	max.		
Please specify item no. if known:	<input type="text"/>					

<sup>2)</sup> NC: normally closed by spring action; NO: normally open by spring action

continued next page

Valve system Continuous Classic Type 8802-GB - Request for quotation, continued

<b>Control unit features</b>								
<input type="checkbox"/> <b>Positioner TopControl Type 8692</b> <a href="#">More info.</a>	<input type="checkbox"/> <b>Process Controller TopControl Type 8693</b> <a href="#">More info.</a>	<input type="checkbox"/> <b>Positioner TopControl Basic Type 8694</b> <a href="#">More info.</a>						
<p><b>Pneumatic function</b>  <input type="checkbox"/> Single-acting    <input type="checkbox"/> Double-acting</p> <p><b>Communication</b>  <input type="checkbox"/> Profibus    <input type="checkbox"/> DeviceNet</p> <p><b>Electrical connection</b>  <input type="checkbox"/> Cable gland    <input type="checkbox"/> Multipol connection</p> <p><b>Feedback</b>  <input type="checkbox"/> 4-20 mA    <input type="checkbox"/> 4-20 mA + 2 binary outputs</p> <p><b>Initiator</b>  <input type="checkbox"/> Initiator</p> <p><b>Please specify item no. if known:</b>  <input type="text"/></p>			<p><b>Pneumatic function</b>  <input type="checkbox"/> Single-acting</p> <p><b>Pilot air ports</b>  <input type="checkbox"/> Push-in connector external                    ∅ 6 mm or 1/4"  <input type="checkbox"/> Thread G 1/8"</p> <p><b>Electrical connection</b>  <input type="checkbox"/> Cable gland    <input type="checkbox"/> Multipol connection</p> <p><b>Feedback</b>  <input type="checkbox"/> 4-20 mA</p> <p><b>Please specify item no. if known:</b>  <input type="text"/></p>					
<input type="checkbox"/> <b>Positioner TopControl Type 8630 - 3-wire</b> <a href="#">More info.</a>	<input type="checkbox"/> <b>Positioner SideControl Type 8635 - 2-wire</b> <a href="#">More info.</a>	<input type="checkbox"/> <b>Positioner SideControl Remote Type 8792</b> <a href="#">More info.</a> <input type="checkbox"/> <b>Process Controller SideControl Remote Type 8793</b> <a href="#">More info.</a>						
<p><b>Power supply 24 VDC</b></p> <p><b>Communication</b>          Setpoint / feedback analogue signal or via BUS  <input type="checkbox"/> Profibus DP  <input type="checkbox"/> DeviceNet</p> <p><input type="checkbox"/> <b>Positioner version</b>          Input 0/4 - 20 mA / 0-5/10 V          Feedback  <input type="checkbox"/> 4 - 20 mA    <i>or/and</i>    <input type="checkbox"/> Binary</p> <p><input type="checkbox"/> <b>PID Controller version <sup>3)</sup></b>          Input measuring signal          4 - 20 mA / Pt100 / Frequency</p> <p><b>Inductive proximity switch</b>  <input type="checkbox"/> 1    <input type="checkbox"/> 2</p> <p><b>Please specify item no. if known:</b>  <input type="text"/></p>			<p><input type="checkbox"/> <b>Standard</b>  <input type="checkbox"/> <b>ATEX/FM Zone 1</b>  <input type="checkbox"/> <b>Zone 2/22</b></p> <p><b>Power supply 24 VDC</b>          via setpoint or BUS</p> <p><b>Communication</b>          Setpoint / feedback analogue signal or via BUS    <input type="checkbox"/> Profibus PA</p> <p><input type="checkbox"/> <b>Positioner version</b>          Input 4 - 20 mA          Feedback  <input type="checkbox"/> 4 - 20 mA    <i>or/and</i>    <input type="checkbox"/> Binary</p> <p><input type="checkbox"/> <b>PID Controller version <sup>3)</sup></b>          Input measuring signal          4 - 20 mA</p> <p><b>Inductive proximity switch</b>  <input type="checkbox"/> 1    <input type="checkbox"/> 2</p> <p><b>Please specify item no. if known:</b>  <input type="text"/></p>			<p><b>Power supply 24 VDC</b></p> <p><b>Communication</b>  <input type="checkbox"/> Without  <input type="checkbox"/> Profibus DPV1</p> <p><b>Feedback</b>  <input type="checkbox"/> Analogue feedback + 2 binary outputs  <input type="checkbox"/> 2 binary outputs</p> <p><b>Electrical connection</b>  <input type="checkbox"/> Cable gland    <input type="checkbox"/> Multipol connection</p> <p><b>Please specify item no. if known:</b>  <input type="text"/></p>		

<sup>3)</sup> same setpoint for input and feedback signal as for Positioner version

Comments